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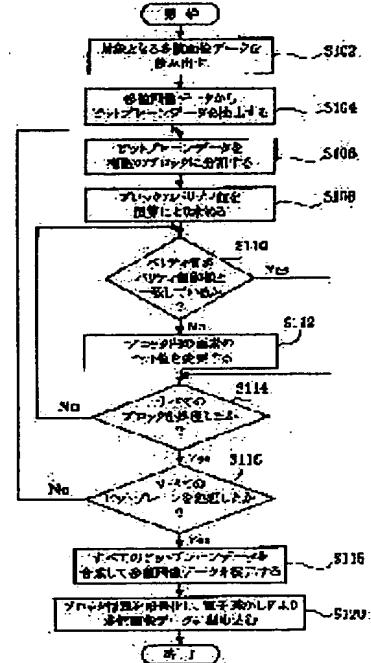
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## (54) METHOD AND APPARATUS FOR DETECTING ALTERATION OF ELECTRONIC DOCUMENT

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To detect an altered part of an electronic document even if the electronic document has tampered.

**SOLUTION:** A bit plane extracting section 41 reads out objective multivalued image data from a hard disc drive 36 (S102) and extracts the data of bit plane from that multivalued image data (S104). A parity operating section 43 selects some block out of a plurality of divided blocks and operates the parity value of that block, using the bit value of  $N \times N$  pixels contained in that block (S108). A condition-deciding section 44 makes a decision whether the operated parity value of that block matches a parity control value (S110). A bit value altering section 45 alters the bit value by any of four pixels in that block for a block, where the operated parity value does not match the parity control value (S112).



### LEGAL STATUS

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